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The Commonwealth Bureau of Pastures and Field Crops is located at the Animal and Grassland Research Institute, Hurley, and is one of a group of 10 Bureaux and 4 Institutes which together form the Commonwealth Agricultural Bureaux, an organization financed and administered jointly by the various Commonwealth Governments and Dependent Territories. The Commonwealth Agricultural Bureaux produce over 150 000 records annually. These are published in 27 main and 17 specialist abstract journals and are also available in tape form and through various on-line hosts. The journals are listed on the back cover.

The Commonwealth Bureau of Pastures and Field Crops prepares records for three monthly main journals, *Weed Abstracts, Field Crop Abstracts* and *Herbage Abstracts*. These journals cover world scientific literature on weeds, weed control and herbicides, annual field crops, pastures, herbage crops and rangelands and provide a comprehensive guide to current scientific developments and a key to literature published in the past. The Bureau also publishes review articles on selected subjects in *Herbage Abstracts* and *Field Crop Abstracts*.

Scope of Weed Abstracts: Weeds and weed control in all types of crop and non-crop situations, biology of weeds, herbicide chemistry, property, analysis and toxicology, application of herbicides and other related aspects. A full listing of aspects dealt with is given in the contents page.

The Bureau is prepared, on request, to undertake literature searches and to compile bibliographies on subjects within its scope.

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Abbreviations

abs.	abstract	in	inch	pp.	pages
a.e.	acid equivalent	in^2	square inch	p.p.m.	parts per million
a.i.	active ingredient	IR	infra-red	p.p.m.v.	parts per million by volume
b.p.	boiling point	kcal	kilocalorie		
bu	bushel	kg	kilogramme	p.p.m.w.	parts per million by weight
°C	degrees Celsius (formerly Centigrade)	LC_{50}	median lethal concentration (median tolerance limit or TL_m)	pre-em.	pre-emergence
conc.	concentrated			p.t.o.	power take off
concn.	concentration	LD_{50}	median lethal dose	pt	pint
cv.	cultivar(s)	lb	pound	ref.	references
cwt	hundredweight	lbf/in^2	pounds-force per square inch	RH	relative humidity
d.b.h.	diameter at breast height			s	second
		M	molar concentration	sp.	species
diam.	diameter	m	metre	spp.	species (plural)
DM	dry matter	m-	milli-(x 10^{-3})	ssp.	subspecies
dz	Doppelzentner (= 100 kg	μ-	micro (x 10^{-6})	t	tonne (Mg)
		μm	micron	temp.	temperature
e.c.	emulsifiable concentrate	m^2	square metre	TLC	thin-layer chromatography
		m.c.	moisture content		
°F	degrees Fahrenheit	mg	milligramme	u.l.v.	ultra low volume
ft	foot	min	minute	UV	ultra-violet
ft^2	square foot	ml	millilitre	var.	*varietas*
g	gramme	mm	millimetre	vol.	volume
gal	gallon	m.p.	melting point	wt	weight
GLC	gas-liquid chromatography	N	normal concentration	w.p.	wettable powder
		n	nano-(x 10^{-9})	yd	yard
h	hour	OM	organic matter	>	more than
ha	hectare	oz	ounce	<	less than
hkg	hectokilogramme	p.	page	±	with or without
hp	horsepower	post-em.	post-emergence	%	percent(age)

Languages

An initial capital denotes the language of the paper, an initial small letter the language of the summary.

Af	Afrikaans	Fi	Finnish	It	Italian	Ru	Russian
Bg	Bulgarian	Nl	Flemish	Ja	Japanese	Sh	Serbo-Croat
Cs	Czech	Fr	French	No	Norwegian	Sk	Slovak
Da	Danish	De	German	Pl	Polish	Es	Spanish
Nl	Dutch	He	Hebrew	Pt	Portuguese	Sv	Swedish
En	English	Hu	Hungarian	Ro	Romanian	Tr	Turkish

Use of 'a.i.', 'a.e.' etc. Unless otherwise stated, rates of application for growth-regulator herbicides such as 2,4-D, MCPA, fenoprop, dalapon, the benzoics, etc. are given as the acid equivalent. Rates for other herbicides such as the ureas, carbamates, triazines, etc. are given as the active ingredient. Rates for the bipyridyls refer to the cation, only.

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In keeping with its new international image, the Commonwealth Agricultural Bureaux has been renamed **C·A·B International**. This change was agreed by the 29 member countries at the Tenth Quinquennial Review Conference, held in London in September 1985. The Conference also agreed to a draft new Constitution, and this document is currently under ratification procedures by member governments.

The provision of information and scientific services in agriculture and related fields will remain the primary functions of C·A·B International. However, the organisation will also be aiming to provide a broader range of services and will be welcoming to membership other countries, including non-Commonwealth countries, which wish to join the traditional Commonwealth country membership.

The organization is controlled by an Executive Council composed of nominees of the various governments, including one for the United Kingdom Dependent Territories.

The work of C·A·B International is largely carried out through a number of Institutes and Bureaux, each dealing with a particular aspect of agricultural science. Enquiries on scientific matters should be sent to the Director Information Services or Director Scientific Services at Headquarters, or to the Director or Officer-in-Charge of the appropriate Institute or Bureau (see addresses below). Other enquiries should be sent to the Director General at Headquarters, or to Liaison Officers in member countries.

A list of Executive Council Members and Liaison Officers will be published in the next issue of this journal.

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List of common names and abbreviations employed for currently used herbicides and plant growth regulators in *Weed Abstracts*

An asterisk (*) signifies approval by the British Standards Institution (BSI)
A dagger (†) signifies approval by the Weed Science Society of America (WSSA) or ANSI
A double dagger (‡) signifies approval by the International Organization for Standardization (I.S.O.)
Where the name approved by the WSSA or the I.S.O. differs from that approved by the BSI, the WSSA or I.S.O. name is given in brackets opposite the chemical name, with the appropriate symbol attached.

acifluorfen*†‡	5-(2-chloro-4-trifluoromethylphenoxy)-2-nitrobenzoic acid	
aclonifen*	2-chloro-6-nitro-3-phenoxyaniline	
acrolein	acrylaldehyde	
alachlor*†‡	α-chloro-2,6-diethyl-*N*-(methoxymethyl)acetanilide	
allidochlor*‡	*N*,*N*-diallylchloroacetamide	(CDAA†)
alloxydim*	2-[1-(*N*-allyloxyamino)butylidene]-4-methoxycarbonyl-5,5-dimethylcyclohexane-1,3-dione	
alorac*	(*Z*)-2,3,5,5,5-pentachloro-4-oxopent-2-enoic acid	
ametridione*	1-amino-6-ethylthio-3-neopentyl-1,3,5-triazine-2,4-dione	
ametryn*‡	4-ethylamino-6-isopropylamino-2-methylthio-1,3,5-triazine	
amibuzin*	6-*tert*-butyl-3-dimethylamino-4-methyl-1,2,4-triazin-5(*H*)-one	
amitrole†‡*	3-amino-1,2,4-triazole	
amiprofos-methyl*	*O*-methyl *O*-(4-methyl-2-nitrophenyl) *N*-isopropylphosphoramidothionate	
AMS†	ammonium sulphamate	
ancymidol*‡	α-cyclopropyl-4-methoxy-α-pyrimidin-5-ylbenzyl alcohol	
anilofos*	*S*-4-chloro-*N*-isopropylcarbaniloylmethyl *O*,*O*-dimethyl phosphoroidthioate	
asulam*†‡	methyl (4-aminobenzenesulphonyl)carbamate	
atraton*†‡	4-ethylamino-6-isopropylamino-2-methoxy-1,3,5-triazine	
atrazine*†‡	2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine	
aziprotryne*‡	2-azido-4-isopropylamino-6-methylthio-1,3,5-triazine	
barban*†‡	4-chlorobut-2-ynyl *N*-(3-chlorophenyl)carbamate	
benazolin*‡	4-chloro-2-oxobenzothiazolin-3-ylacetic acid	
benfluralin*‡	*N*-butyl-*N*-ethyl-2,6-dinitro-4-trifluoromethylaniline	(benefin†)
benfuresate*	2,3-dihydro-3,3-dimethylbenzofuran-5-yl ethanesulphonate	
bensulide*†‡	*N*-[2-(*O*,*O*-di-isopropyldithiophosphoryl)ethyl] benzene sulphonamide	
bentazone*‡	3-isopropyl-2,1,3-benzothiadiazin-4-one 2,2-dioxide	(bentazon†)
benzadox*†	benzamido-oxyacetic acid	
benzamizole*	*N*-[3-(ethyl-1-methylpropyl)isoxazol-5-yl]-2,6-dimethoxybenzamide	
benzipram*	*N*-benzyl-*N*-isopropyl-3,5-dimethylbenzamide	
benzoylprop-ethyl*‡	ethyl *N*-benzoyl-*N*-(3,4-dichlorophenyl)-2-aminopropionate	(benzoylprop† [acid])
benzthiazuron*‡	*N*-(benzothiazol-2-yl)-*N*-methylurea	
bifenox†*	methyl 5-(2,4-dichlorophenoxy)-2-nitrobenzoate	
bromacil*†‡	5-bromo-6-methyl-3-(1-methyl-n-propyl) uracil	
bromobutide*	(*RS*)-2-bromo-*N*-(α,α,-dimethylbenzyl)-3,3-dimethylbutyramide	
bromofenoxim*‡	3,5-dibromo-4-hydroxybenzaldehyde 2,4-dinitrophenyloxime	
bromoxynil*†‡	3,5-dibromo-4-hydroxybenzonitrile	
buminafos*	dibutyl 1-butylaminocyclohexylphosphonate	
butachlor*†	*N*-(butoxymethyl)-α-chloro-2,6-diethylacetanilide	
butamifos*‡	*O*-ethyl *O*-(5-methyl-2-nitrophenyl) *N*-s-butylphosphoramidothionate	
buthidazole*†	4-hydroxy-1-methyl-3-(2-t-butyl-1,3,4-thiadiazol-5-yl)imidazolidin-2-one	
buthiuron*	*N*′-(5-butylsulphonyl-1,3,4-thiadiazol-2-yl)-*N*,*N*′-dimethylurea	
butralin*†	*N*-s-butyl-4-t-butyl-2,6-dinitroaniline	
buturon*†‡	*N*′-(4-chlorophenyl)-*N*-(1-methylprop-2-ynyl)-*N*-methylurea	
butylate*†‡	*S*-ethyl *N*,*N*-di-isobutyl(thiocarbamate)	
cambendichlor*†‡	*N*-phenylimino diethylene bis(3,6-dichloro-2-methoxybenzoic acid)	
carbetamide*†‡	D-*N*-ethyl-2-(phenylcarbamoyloxy)propionamide	
chlomethoxyfen*	5-(2,4-dichlorophenoxy)-2-nitroanisole	
chloramben*†‡	3-amino-2,5-dichlorobenzoic acid	
chloranocryl*‡	*N*-(3,4-dichlorophenyl)methacrylamide	(dicryl†)
chlorazifop*	2-(4-(3,5-dichloro-2-pyridyloxylphenoxy)propionic acid	
chlorbromuron*†‡	*N*′-(4-bromo-3-chlorophenyl)-*N*-methoxy-*N*-methylurea	
chlorbufam*‡	1-methylprop-2-ynyl *N*-(3-chlorophenyl)carbamate	
chloreturon*	*N*′-(3-chloro-4-ethoxyphenyl)-*N*,*N*-dimethylurea	
chlorfenac*‡	2,3,6-trichlorophenylacetic acid	(fenac†)
chlorfenprop-methyl*‡	methyl 2-chloro-3-(4-chlorophenyl)propionate	
chlorflurecol*	2-chloro-9-hydroxyfluorene-9-carboxylic acid	(chlorflurenol‡)
chlorfluren*‡	2-chlorofluorene-9-carboxylic acid	
chloridazon*	5-amino-4-chloro-2-phenylpyridazin-3(2*H*)-one	(pyrazon†)
chlornitrofen*‡	4-nitrophenyl 2,4,6-trichlorophenyl ether	

chlorotoluron*‡	*N'*-(3-chloro-4-methylphenyl)-*N,N*-dimethylurea	
chloroxuron*†‡	*N*-4-(4-chlorophenoxy)phenyl-*N,N*-dimethylurea	
chlorphonium*‡	tributyl-2,4-dichlorobenzylphosphonium	
chlorpropham*†‡	isopropyl *N*-(3-chlorophenyl)carbamate	
chlorsulfuron*†	*N'*-(2-chlorobenzenesulphonyl)-*N*-(4-methoxy-6-methyl-1,3,5-triazin-1-yl)urea	
chlorthal-dimethyl*‡	2,3,5,6-tetrachloroterephthalic acid dimethyl ester	(DCPA†)
chlorthiamid*‡	2,6-dichlorothiobenzamide	
cisanilide†	2,5-dimethyl-1-pyrrolidine-carboxanilide	
cliodinate*	2-chloro-3,5-di-iodo-4-pyridyl acetate	
clofop-isobutyl*	isobutyl 2-[4-(4-chlorophenoxy)phenoxy] propionate	
cloprop*	2-(3-chlorophenoxy)propionic acid	
cloproxydim*	(±)-2-[1-(3-chloroallyloxyimino)butyl]-5-(2-ethylthiopropyl-3-hydroxycyclohex-2-enone	
clopyralid*	3,6-dicloropyridine-2-carboxylic acid	
4-CPA*†‡	4-chlorophenoxyacetic acid	
cyanatryn*	4-(1-cyano-1-methylethylamino)-6-ethylamino-2-methylthio-1,3,5-triazine	
cyanazine*†‡	2-chloro-4-(1-cyano-1-methylethylamino)-6-ethylamino-1,3,5-triazine	
cycloate*†	*N'*-cyclohexyl-*N*-ethyl-*S*-ethyl(thiocarbamate)	
cycluron*†‡	*N'*-cyclo-octyl-*N,N*-dimethylurea	
cyometrinil*	α-(cyanomethoxyimino)benzacetonitrile	
cyperquat*†	1-methyl-4-phenylpyridinium	
cyprazine*†	2-chloro-4-cyclopropylamino-6-isopropylamino-1,3,5-triazine	
cyprazole*†	*N*-[5-(2-chloro-1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl] cyclopropanecarboxamide	
cypromid*†‡	3,4-dichlorocyclopropanecarboxanilide	
2,4-D*†‡	2,4-dichlorophenoxyacetic acid	
daimuron*	1-(1-methyl-1-phenylethyl)-3-*p*-tolylurea	
dalapon*†	2,2-dichloropropionic acid	
daminozide*‡	*N*-dimethylaminosuccinamic acid	
dazomet*†‡	3,4,5,6-tetrahydro-3,5-dimethyl-1,3,5-thiadiazine-2-thione	
2,4-DB*†	4-(2,4-dichlorophenoxy)butyric acid	
DCU†	dichloral urea	
delachlor*†‡	α-chloro-*N*-(isobutoxymethyl)-2,6-acetoxylidide	
2,4-DES	2-(2,4-dichlorophenoxy)ethyl hydrogen sulphate	(sesone†, disul‡)
desmedipham*†‡	3-(ethoxycarbonylamino)phenyl *N*-phenylcarbamate	
desmetryn*‡	4-isopropylamino-6-methylamino-2-methylthio-1,3,5-triazine	
di-allate*‡	*S*-2,3-dichloroallyl *N,N*-di-isopropyl(thiocarbanate)	(diallate†)
dicamba*†‡	3,6-dichloro-2-methoxybenzoic acid	
dichlobenil*†‡	2,6-dichlorobenzonitrile	
dichlone*†‡	2,3-dichloro-1,4-naphthaquinone	
dichlorflurenol*‡	2,7-dichloro-9-hydroxyfluorene-9-carboxylic acid	
dichlormate*†‡	3,4-dichlorobenzyl *N*-methylcarbamate	
dichlorprop*†‡	(±)-(2-(2,4-dichlorophenoxy)propionic acid	
diclofop-methyl*	methyl 2-[4-(2,4-dichlorophenoxy)phenoxy] propionate	(diclofop† [acid])
diethamquat*	1,1'-di(diethylcarbamoylmethyl)-4,4'-bipyridyl-1,1'-diylium	
diethatyl*†‡	*N*-chloroacetyl-*N*-(2,6-diethylphenyl)aminoacetic acid	
difenopenten*†	4-[4-(4-trifluoromethylphenoxy)phenoxy] pent-2-enoic acid	
difenoxuron*†‡	*N'*-4-(4-methoxyphenoxy)phenyl-*N,N*-dimethylurea	
difenzoquat*†	1,2-dimethyl-3,5-diphenyl-pyrazolium	
diflufenican*	2'-4'difluoro-2,(α,α,α-trifluoro-*m*-tolyoxy)nicotinanilide	
dikegulac*	2,3:4,6-di-*O*-isopropylidene-α-L-xylo-2-hexulofuranosonic acid	
dimefuron*	4-[2-chloro-4-(3,3-dimethylureido)phenyl]-2-t-butyl-1,3,4-oxadiazolin-5-one	
dimepiperate*	*S*-1-methyl-1-phenylethyl piperidine-1-carbothioate	
dimethachlor*	α-chloro-*N*-(2-methoxyethyl)-2',6'-acetoxylidide	
dimethametryn*	2-(1,2-dimethylpropylamino)-4-ethylamino-6-methylthio-1,3,5-triazine	
dimidazon*‡	4,5-dimethoxy-2-phenylpyridazin-3(2*H*)-one	
dimexano*	*O,O*-diethyl dithiobis(thioformate)	
dinitramine*†‡	N^1,N^1-diethyl-2,-dinitro-4-trifluoromethyl-*m*-phenylenediamine	
dinoseb	2-(1-methylpropyl)-4,6-dinitrophenol	
dinoterb*‡	4,6-dinitro-2-t-butylphenol	
diphenamid*†‡	*N,N*-dimethyl-αα-diphenylacetamide	
dipropetryn*†‡	2-ethylthio-4,6-di(isopropylamino)-1,3,5-triazine	
diquat*†‡	9,10-dihydro-8a,10a-diazoniaphenanthrene	
diuron*†‡	*N'*-(3,4-dichlorophenyl)-*N,N*-dimethylurea	
DNOC*†‡	2-methyl-4,6-dinitrophenol	
DSMA†	disodium methylarsonate	
eglinazine*‡	*N*-(4-chloro-6-ethylamino-1,3,5-triazin-2-yl)aminoacetate	
endothal*	7-oxabicyclo[2,2,1] heptane-2,3-dicarboxylic acid	(endothall†, endothal-sodium[=Na salt‡])
epronaz*	1-(*N*-ethyl-*N*-propylcarbamoyl)-3-propylsulphonyl-1,2,4-triazole	
EPTC*†‡	*S*-ethyl *N,N*-dipropyl(thiocarbamate)	
erbon†‡	2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate	

ethalfluralin*†	*N*-ethyl-*N*-(2-methylallyl)-2,6-dinitro-4-trifluoromethylaniline	
ethidimuron*	*N'*-(5-ethylsulphonyl-1,3,4-thiadiazol-2-yl)-*N,N'*-dimethylurea	
ethiolate*† ‡	*S*-ethyl diethylthiocarbamate	
ethofumesate*†	2-ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl methylsulphonate	
etnipromid*	(±)-2-[5-(2,4-dichlorophenoxy)-2-nitrophenoxy]-*N*-ethylpropionamide	
fenasulam*	methyl 4-[2-(4-chloro-*o*-tolyloxy)acetamido] phenylsulphonylcarbamate	
fenclorim*	4,6-dichloro-2-phenylpyrimidine	
fenoprop*‡	(±)-2-(2,4,5-trichlorophenoxy)propionic acid	(silvex†)
fenoxaprop*	(*RS*)-2-[4-(6-chloro-1,3-benzoxazol-2-yloxy)phenoxy] propionic acid	
fenteracol*	2-(2,4,5-trichlorophenoxy)ethanol	
fenthiaprop*	(*RS*)-2-[4-(6-chloro-1,3-benzothiazol 2-yloxy)phenoxy] propionic acid	
fenuron*† ‡	*N,N*-dimethyl-*N'*-phenylurea	
flamprop-isopropyl*	isopropyl (±)-2-(*N*-benzoyl-3-chloro-4-fluoroanilino)propionate	(flamprop† [acid])
flamprop-methyl*	methyl (±)-2-(*N*-benzoyl-3-chloro-4-fluoroanilino)propionate	(flamprop† [acid])
fluazifop*	(±)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy] propionic acid	
fluchloralin*† ‡	*N*-(2-chloroethyl)-2,6-dinitro-*N*-propyl-4-(trifluoromethyl)aniline	
flufenican*	2-(α,α,α-trifluoro-*m*-tolyoxy)nicotinanilide	
fluometuron*† ‡	*N'*-(3-trifluoromethylphenyl)-*N,N*-dimethylurea	
fluoridamid*	3-trifluoromethylsulphonamide-*p*-acetotoluidide	
fluorodifen*† ‡	4-nitrophenyl 2-nitro-4-trifluoromethylphenyl ether	
fluoronitrofen*‡	2,4-dichloro-6-fluorophenyl 4-nitrophenyl ether	
fluothiuron*	*N*-(3-chloro-4-chlorodifluoromethylthiophenyl)-*N',N'*-dimethylurea	
flurecol*†	9-hydroxyfluorene-9-carboxylic acid	(flurenol†‡)
fluridone*†	1-methyl-3-phenyl-5-(3-trifluoromethylphenyl)pyridin-4-one	
fluromidine*‡	6-chloro-2-trifluoromethyl-3*H*-imidazo[4,5-*b*]pyridine	
fluroxypyr*	4-amino-3,5-dichloro-6-fluoro-2-pyridyloxyacetic acid	
fomesafen*	2-chloro-4-trifluoromethylphenyl 3-methylphenylcarbamoyl-4-nitrophenyl ether	
fosamine*† ‡	ethyl hydrogen carbamoylphosphonate	
glufosinate*	DL-homoalanin-4-yl(methyl)phosphinic acid	
glyphosate*†	*N*-(phosphonomethyl)glycine	
glyphosine*	*N,N*-bis(phosphonomethyl)glycine	
haloxydine*‡	3,5-dichloro-2,6-difluoro-4-hydroxypyridine	
hexaflurate†	potassium hexafluoroarsenate	
hexazinone*† ‡	3-cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4-dione	
holosulf*‡	(2-chloroethyl)sulphinic acid	
imazaquin*	2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)=quinoline-3-carboxylic acid	
ioxynil*† ‡	4-hydroxy-3,5-di-iodobenzonitrile	
isocarbamid*	*N*-isobutylimidazolidin-2-one-1-carboxamide	
isomethiozin*	4-(isobutylideneamino)-3-methylthio-6-t-butyl-1,2,4-triazin-5-one	
isopolinate*	*S*-isopropyl perhydroazepine-1-carbothioate	
isopropalin*† ‡	4-isopropyl-2,6-dinitro-*N,N*-dipropylaniline	
isoproturon*	*N'*-(4-isopropylphenyl)-*N,N*-dimethylurea	
isopyrimol*	4-chloro-α-isopropyl-α-(pyrimidin-5-yl)benzyl alcohol	
isouron*†	*N'*-(5-butylisoxazol-3-yl)-*N,N*-dimethylurea	
karbutilate*† ‡	*m*-(3,3-dimethylureido)phenyl t-butylcarbamate	
lenacil*† ‡	3-cyclohexyl-6,7-dihydro-1*H*-cyclopentapyrimidine-2,4-(3*H*,5*H*)dione	
linuron*† ‡	*N'*-(3,4-dichlorophenyl)-*N*-methoxy-*N*-methylurea	
MAMA†	monoammonium larsonate	
MCPA	4-chloro-2-methylphenoxyacetic acid	
MCPB*† ‡	4-(4-chloro-2-methylphenoxy)butyric acid	
mecoprop*† ‡	(±)-2-(4-chloro-2-methylphenoxy)propionic acid	
medinoterb*‡	4,6-dinitro-5-methyl-2-t-butylphenol	
mefluidide*†	5-trifluoromethylsulphonylamino-2,4-acetoxylidide	
metamitron*	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4*H*)-one	
metazachlor*	α-chloro-*N*-(1-pyrazolylmethyl)aceto-2',6'-xylidide	
metflurazon*‡	4-chloro-5-(dimethylamino)-2-(3-trifluoromethylphenyl)pyridazin-3(2*H*)-one	
methabenzthiazuron*‡	*N*-(benzothiazol-2-yl)-*N,N'*-dimethylurea	
methalpropalin*† ‡	*N*-methylally-2,6-dinitro-*N*-propyl-4-trifluoromethylaniline	
metham*†	*N*-methyldithiocarbamic acid	(metam-sodium [=Na salt] ‡)
methazole†	2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione	
methiobencarb*‡	*S*-(4-methoxybenzyl) *N,N*-diethylthiolcarbamate	
methometon*‡	2-methoxy-4,6-bis(3-methoxypropylamino)-1,3,5-triazine	
methoprotryne*‡	4-isopropylamino-6-(3-methoxyproplamino)-2-methylthio-1,3,5-triazine	
metobromuron*† ‡	*N'*-(4-bromophenyl)-*N*-methoxy-*N*-methylurea	
metolachlor*†	α-chloro-6-ethyl-*N*-(2-methoxy-1-methylethyl)-*o*-acetotoluidide	
metoxuron*‡	*N'*-(3-chloro-4-methoxyphenyl)-*N,N*-dimethylurea	
metribuzin*† ‡	4-amino-6-t-butyl-3-(methylthio)-1,2,4-triazin-5(4*H*)-one	
metsulfuron*	2-[3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)ureidosulphonyl] benzoic acid	

MH†	1,2,3,6-tetrahydro-3,6-dioxopyridazine	
molinate*†‡	*S*-ethyl *N,N*-hexamethylene(thiocarbamate)	
monalide*‡	*N*-(4-chlorophenyl)-2,2-dimethylvaleramide	
monisouron*	1-(5-*tert*-butylisoxazol-3-yl)-3-methylurea	
monolinuron*†‡	*N'*-(4-chlorophenyl)-*N*-methoxy-*N*-methylurea	
monuron*†‡	*N'*-(4-chlorophenyl)-*N,N*-dimethylurea	
morfamquat*‡	1,1'-bis(3,5-dimethylmorpholinocarbonylmethyl)-4,4'-bipyridylium	
MSMA†	monosodium methylarsonate	
napropamide*†	*N,N*-diethyl-2-(α-naphthoxy)propionamide	
naptalam*†‡	*N*-1-naphthylphthalamic acid	
neburon*†‡	*N*-butyl-*N'*-(3,4-dichlorophenyl)-*N*-methylurea	
nitralin*†‡	4-(methylsulphonyl)-2,6-dinitro-*N,N*-dipropylaniline	
nitrofen*†‡	2,4-dichlorophenyl 4-nitrophenyl ether	
nitrofluorfen*†	2-chloro-4-trifluoromethylphenyl 4-nitrophenyl ether	
norflurazon*†‡	4-chloro-5-methylamino-2-(3-trifluoromethylphenyl)pyridazin-3-one	
noruron*‡	*N'*-(hexahydro-4,7-methanoindan 5-yl)-*N,N*-dimethylurea	(norea†)
orbencarb*	*S*-2-chlorobenzyl diethylthiocarbamate	
oryzalin*†‡	3,5-dinitro-N^4N^4-dipropylsulphanilamide	
oxadiazon*†‡	3-(2,4-dichloro-5-isopropoxyphenyl)-5-t-butyl-1,3,4-oxadiazolin-2-one	
oxyfluorfen*†	2-chloro-4-trifluoromethylphenyl 3-ethoxy-4-nitrophenyl ether	
paraquat*†‡	1,1'-dimethyl-4,4'-bipyridylium	
PCP†	pentachlorophenol	
pebulate*†‡	*S*-propyl *N*-butyl-*N*-ethyl(thiocarbamate)	
pendimethalin*†‡	*N*-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine	
pentanochlor*‡	*N*-(3-chloro-4-methylphenyl)-2-methylpentanamide	(solan†)
perfluidone*†	4'-(phenylsulphonyl)trifluoromethylsulphono-*o*-toluidude	
phenisopham*	3-isopropoxycarbonylaminophenyl *N*-ethyl-*N*-phenylcarbamate	
phenmedipham*†‡	3-(methoxycarbonylamino)phenyl *N*-(3-methylphenyl)carbamate	
phenmedipham-ethyl*‡	3-ethoxycarbonylaminophenyl *N*-(3-methylphenyl)carbamate	
phenobenzuron*‡	*N'*-benzoyl-*N'*-(3,4-dichlorophenyl)-*N,N*-dimethylurea	
picloram*†‡	4-amino-3,5,6-trichloropicolinic acid	
piperophos*	*S*-2-methyl-1-piperidylcarbonylmethyl *O,O*-di-n-propyl phosphorodithioate	
piproctanyl*‡	1-allyl-1-(3,7-dimethyloctyl)piperidinium ion	
pretilachlor*‡	α-chloro-2,6-diethyl-*N*-(2-propoxyethyl)acetanilide	
procyazine*†	2-chloro-4-(1-cyano-1-methylethylamino)-6-cyclopropylamino-1,3,5-triazine	
prodiamine*‡	2,6-dinitro-N^1,N^1-dipropyl-4-trifluoromethyl-*m*-phenylenediamine	
profluralin*†	*N*-(cyclopropylmethyl)-2,6-dinitro-*N*-propyl-4-trifluoromethylaniline	
proglinazine*‡	*N*-(4-chloro-6-isopropylamino-1,3,5-triazin-2-yl)aminoacetate	
prometon*‡	4,6-bisisopropylamino-2-methoxy-1,3,5-triazine	(prometone†)
prometryn*‡	2,4-bis(isopropylamino)-6-methylthio-1,3,5-triazine	
propachlor*†‡	α-chloro-*N*-isopropylacetanilide	
propanil*†‡	*N*-(3,4-dichlorophenyl)propionamide	
propazine*†‡	2-chloro-4,6-bisisopropylamino-1,3,5-triazine	
propham*†‡	isopropyl *N*-phenylcarbamate	
propyzamide*	3,5-dichloro-*N*-(1,1-dimethylpropynyl)benzamide	(pronamide†)
prosulfalin*†	*N*-(4-dipropylamino-3,5-dinitrophenylsulphonyl)-*S,S*-dimethylsulphimide	
prynachlor*†‡	2-chloro-*N*-(1-methyl-2-propynyl)acetanilide	
pydanon*‡	(±)-hexahydro-4-hydroxy-3,6-dioxopyridazin-4-ylacetic acid	
pyrazoxyfen*	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethylpyrazol-5-yloxy]acetophenone	
pyridate*	octyl *O*-(6-chloro-3-phenylpyridazin-4-yl)carbonothioate	
quinonamid*	3-chloro-2-dichloroacetamido-1,4-naphthaquinone	
sebuthylazine*‡	2-chloro-4-ethylamino-6-*s*-butylamino-1,3,5-triazine	
secbumeton*†‡	4-ethylamino-2-methoxy-6-*s*-butylamino-1,3,5-triazine	
sethoxydim*	(±)-2-(1-(ethoxyimino)butyl)-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one	
siduron*†‡	*N*-(2-methylcyclohexyl)-*N*-phenylurea	
simazine*†‡	2-chloro-4,6-bisethylamino-1,3,5-triazine	
simetryn*	2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine	
SMA	sodium monochloroacetate	
sulfallate*‡	2-chloroallyl *N,N*-diethyldithiocarbamate	(CDEC†)
sulfometuron*	2-[3-(4,6-diamethylpyrimidin-2-yl)ureidosulphonyl] benzoic acid	
sulglycapin*‡	*O*-(methylsulphamoly)glycollic acid hexamethylene imide	
swep†	methyl *N*-(3,4-dichlorophenyl)carbamate	
2,4,5-T*†‡	2,4,5-trichlorophenoxyacetic acid	
2,4,5-TB*‡	4-(2,4,5-trichlorophenoxy)butyric acid	
2,3,6-TBA†‡	2,3,6-trichlorobenzoic acid	
TCA†‡	trichloroacetic acid	(sodium trichloroacetate [=Na salt] ‡)
tebuthiuron*†‡	*N,N'*-dimethyl-*N*-(5-t-butyl-1,3,4-thiadiazol-2-yl)urea	
tebutam*	*N*-benzyl-*N*-isopropylpivalamide	(butam †)

terbacil*†	5-chloro-6-methyl-3-t-butyluracil	
terbucarb*‡	2,6-di-t-butyl-*p*-tolyl *N*-methylcarbamate	(terbutol†)
terbuchlor*†	*N*-butoxymethyl-α-chloro-6-t-butyl-*o*-acetotoluidide	
terbumeton*‡	4-ethylamino-2-methoxy-6-t-butylamino-1,3,5-triazine	
terbuthylazine*†‡	2-chloro-4-ethylamino-6-t-butylamino-1,3,5-triazine	
terbutryn*‡	2-*tert*-butylamino-4-ethylamino-6-methylthio-1,3,5-triazine	
tetrafluron*†	*N*,*N*-dimethyl-*N'*-[3-(1,1,2,2-tetrafluoroethoxy)phenyl] urea	
thiazafluron*	1,3-dimethyl-1-(5-trifluoromethyl 1,3,4-thiadazol-2-yl)urea	
thidiazuron*	*N*-phenyl-*N'*-(1,2,3-thiadiazol-5-yl)urea	
thiobencarb*†‡	*S*-(4-chlorobenzyl) *N*,*N*-diethylthiolcarbamate	
tiocarbazil*	*S*-benzyl di(*sec*-butyl)thiocarbamate	
tri-allate*‡	*S*-2,3,3-trichloroallyl *N*,*N*-di-isopropyl(thiocarbamate)	(triallate†)
triclopyr*†	3,5,6-trichloro-2-pyridyloxyacetic acid	
trietazine*†‡	2-chloro-4-diethylamino-6-ethylamino-1,3,5-triazine	
trifluralin*†‡	2,6-dinitro-*N*,*N*-dipropyl-4-trifluoromethylaniline	
trifop-methyl*	methyl 2-[4-(4-trifluoromethylphenoxy)phenoxy] propionate	
trifopsime*	acetone (*R*)-*O*-(2-[4-(α,α,α-trifluro-*p*-tolyloxy)phenoxy] propionyl)oxime	
trimeturon*†	*N'*-(4-chlorophenyl)-*O*,*N*,*N*-trimethylisourea	
tripropindan*‡	6-isopropyl-1,1,4-trimethyl-5-propionylindane	
vernolate*†‡	*S*-propyl *N*,*N*-dipropyl(thiocarbamate)	

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